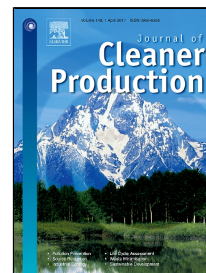


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The influence of activation procedure on the physicochemical and sorption properties of activated carbons prepared from pistachio nutshells for removal of NO₂/H₂S gases and dyes



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- Pistachio nut shells recycling has been described
- Activated carbons were synthesized by chemical/physical and direct activation process
- The adsorbents can be used for purification and decolourisation of drinking water
- Maximum methyl red and iodine sorption capacity of 264 and 1281 mg/g was reported
- The prepared adsorbents can be used to effective NO₂ and H₂S removal from air stream
- The beneficial effect of steam on sorption capacity of carbons has been demonstrated

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